

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A chimeric gene comprising:
a first DNA molecule encoding a hypersensitive response elicitor protein or polypeptide from a bacterial plant pathogen, wherein ~~either (i) the encoded hypersensitive response elicitor comprises the amino acid sequence according to SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, or SEQ ID NO:7~~ SEQ ID NO: 1, 3, 5, or 7, (ii) the first DNA molecule comprises the nucleotide sequence of SEQ ID NO: 2, 4, 6, or 8; or (iii) the first DNA molecule hybridizes to the complement of SEQ ID NO: 2, 4, 6, or 8 under hybridization conditions that include a hybridization medium comprising 1 M Na⁺ for about 20 hours at about 65°C and a wash medium comprising 0.2X SSC buffer at about 65°C;
a promoter operably linked 5' to the first DNA molecule to induce transcription of the first DNA molecule in response to activation of the promoter by an oomycete, the promoter comprising nt 295-567 of SEQ ID NO: 9; ~~and~~
a 3' regulatory region operably linked to the first DNA molecule; and
a second DNA molecule encoding a secretion signal polypeptide, the second DNA molecule being operably linked between the promoter and the first DNA molecule.
2. (Canceled)
3. (Currently Amended) The chimeric gene according to claim 2 1, wherein the second DNA molecule encodes a secretion signal polypeptide comprising the amino acid sequence of SEQ ID NO: 11, SEQ ID NO: 13, SEQ ID NO: 15, or SEQ ID NO: 17.
4. (Previously Presented) The chimeric gene according to claim 3, wherein the second DNA molecule comprises the nucleotide sequence of nt 8-110 from SEQ ID NO: 10, SEQ ID NO: 12, SEQ ID NO: 14, or SEQ ID NO: 16.
- 5-8. (Canceled)
9. (Previously Presented) The chimeric gene according to claim 1, wherein the first DNA molecule encodes a hypersensitive response elicitor protein or polypeptide comprising the amino acid sequence of SEQ ID NO: 3.

10. (Previously Presented) The chimeric gene according to claim 9, wherein the first DNA molecule comprises the nucleotide sequence of SEQ ID NO: 4.

11-13. (Canceled)

14. (Previously Presented) The chimeric gene according to claim 1, wherein the first DNA molecule encodes a hypersensitive response elicitor protein or polypeptide comprising the amino acid sequence of SEQ ID NO: 1.

15. (Previously Presented) The chimeric gene according to claim 14, wherein the first DNA molecule comprises the nucleotide sequence of SEQ ID NO: 2.

16. (Canceled)

17. (Previously Presented) The chimeric gene according to claim 1, wherein the first DNA molecule encodes a hypersensitive response elicitor protein or polypeptide comprising the amino acid sequence of SEQ ID NO: 5.

18. (Previously Presented) The chimeric gene according to claim 17, wherein the first DNA molecule comprises the nucleotide sequence of SEQ ID NO: 6.

19. (Canceled)

20. (Previously Presented) The chimeric gene according to claim 1, wherein the first DNA molecule encodes a hypersensitive response elicitor protein or polypeptide comprising the amino acid sequence of SEQ ID NO: 7.

21. (Previously Presented) The chimeric gene according to claim 20, wherein the first DNA molecule comprises the nucleotide sequence of SEQ ID NO: 8.

22. (Previously Presented) An expression system comprising a vector into which is inserted the chimeric gene according to claim 1.

23. (Previously Presented) A host cell comprising the chimeric gene according to claim 1.

24. (Original) The host cell according to claim 23, wherein the host cell is a bacterial cell or a plant cell.

25. (Original) The host cell according to claim 24, wherein the bacterial cell is an *Agrobacterium* cell.

26. (Original) The host cell according to claim 24, wherein the host cell is a plant cell.

27-29. (Canceled)

30. (Previously Presented) A transgenic plant resistant to disease resulting from oomycete infection, the transgenic plant comprising:

the chimeric gene according to claim 1, wherein the promoter induces transcription of the first DNA molecule in response to infection of the plant by an oomycete.

31. (Canceled)

32. (Currently Amended) The transgenic plant according to claim ~~34~~ 30, wherein the second DNA molecule encodes a secretion signal polypeptide comprising the amino acid sequence of SEQ ID NO: 11, SEQ ID NO: 13, SEQ ID NO: 15, or SEQ ID NO: 17.

33. (Previously Presented) The transgenic plant according to claim 32, wherein the second DNA molecule comprises the nucleotide sequence of nt 8-110 from SEQ ID NO: 10, SEQ ID NO: 12, SEQ ID NO: 14, or SEQ ID NO: 16.

34-35. (Canceled)

36. (Original) The transgenic plant according to claim 30, wherein the transgenic plant is selected from a group consisting of rice, wheat, barley, rye, cotton, sunflower, peanut, corn, potato, sweet potato, bean, pea, chicory, lettuce, endive, cabbage, cauliflower, broccoli, turnip, radish, spinach, onion, garlic, eggplant, pepper, celery, carrot, squash, pumpkin, zucchini, cucumber, apple, pear, melon, strawberry, grape, raspberry, pineapple, soybean, tobacco, tomato, sorghum, and sugarcane.

37. (Original) The transgenic plant according to claim 36, wherein the transgenic plant is a grape plant.

38. (Canceled)

39. (Original) The transgenic plant according to claim 36, wherein the transgenic plant is a tobacco plant.

40-42. (Canceled)

43. (Previously Presented) The transgenic plant according to claim 30, wherein the first DNA molecule encodes a hypersensitive response elicitor protein or polypeptide comprising the amino acid sequence of SEQ ID NO: 3.

44. (Previously Presented) The transgenic plant according to claim 43, wherein the first DNA molecule comprises the nucleotide sequence of SEQ ID NO: 4.

45-47. (Canceled)

48. (Previously Presented) The transgenic plant according to claim 30, wherein the first DNA molecule encodes a hypersensitive response elicitor protein or polypeptide comprising the amino acid sequence of SEQ ID NO: 1.

49. (Previously Presented) The transgenic plant according to claim 48, wherein the first DNA molecule comprises the nucleotide sequence of SEQ ID NO: 2.

50. (Canceled)

51. (Previously Presented) The transgenic plant according to claim 30, wherein the first DNA molecule encodes a hypersensitive response elicitor protein or polypeptide comprising the amino acid sequence of SEQ ID NO: 5.

52. (Previously Presented) The transgenic plant according to claim 51, wherein the first DNA molecule comprises the nucleotide sequence of SEQ ID NO: 6.

53. (Canceled)

54. (Previously Presented) The transgenic plant according to claim 30, wherein the first DNA molecule encodes a hypersensitive response elicitor protein or polypeptide comprising the amino acid sequence of SEQ ID NO: 7.

55. (Previously Presented) The transgenic plant according to claim 54, wherein the first DNA molecule comprises the nucleotide sequence of SEQ ID NO: 8.

56. (Original) The transgenic plant according to claim 30, wherein the chimeric gene is stably inserted into the genome of the transgenic plant.

57. (Currently Amended) A method of making a recombinant plant cell comprising:

transforming a plant cell with the chimeric gene according to claim 1 under conditions effective to yield transcription of the first and second DNA ~~molecule~~ molecules in response to oomycete-induced activation of the promoter.

58. (Currently Amended) A method of making a plant resistant to disease resulting from oomycete infection, the method comprising:

transforming a plant cell with the chimeric gene according to claim 1, whereby the transformed plant cell expresses the first and second DNA ~~molecule~~ molecules in response to oomycete-induced activation of the promoter and

regenerating a plant from the transformed plant cell, wherein following expression of the first and second DNA ~~molecule~~ molecules the regenerated plant is rendered resistant to disease resulting from oomycete infection.

59. (Previously Presented) The method according to claim 58, wherein said transforming comprises inserting the chimeric gene into the genome of the plant cell.

60. (Original) The method according to claim 58, wherein said transforming is *Agrobacterium* mediated.

61. (Previously Presented) The method according to claim 58, wherein said transforming comprises:

propelling particles at the plant cell under conditions effective for the particles to penetrate into the cell interior, whereby penetrating particles introduce an expression vector comprising the chimeric gene into the plant cell interior.

62-64. (Canceled)

65. (Original) The method according to claim 58, wherein the transgenic plant is selected from the group consisting of rice, wheat, barley, rye, cotton, sunflower, peanut, corn, potato, sweet potato, bean, pea, chicory, lettuce, endive, cabbage, cauliflower, broccoli, turnip, radish, spinach, onion, garlic, eggplant, pepper, celery, carrot, squash, pumpkin, zucchini, cucumber, apple, pear, melon, strawberry, grape, raspberry, pineapple, soybean, tobacco, tomato, sorghum, and sugarcane.

66. (Original) The method according to claim 65, wherein the transgenic plant is a grape plant.

67. (Canceled)

68. (Original) The method according to claim 65, wherein the transgenic plant is a tobacco plant.

69-70. (Canceled)

71. (Original) A transgenic plant seed obtained from the transgenic plant according to claim 30.

72. (Original) A transgenic plant scion or rootstock cultivar obtained from the transgenic plant according to claim 30.

73-78. (Canceled)